

Rec'd PCT/PTO 09 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 1374**  
Chise MUKAIDANI et al. : Docket No. 2004-1544A  
Serial No. 10/509,032 : Group Art Unit - Not yet assigned  
Filed February 9, 2005 : Examiner - Not yet assigned  
**A METHOD OF PROLIFERATING HUMAN HEPATOCYTES AND A METHOD FOR OBTAINING HUMAN HEPATOCYTES : Mail Stop: PCT - Sequence Listing**

**RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is responsive to the Notification of Defective Response dated February 25, 2005.

The requirement for the Sequence Listing was filed on February 24, 2005. Paper copies of the response and postcard receipt are enclosed.

Accordingly, it is respectfully submitted that the response to the Notification of Missing Requirements mailed February 9, 2005 has been completed.

Favorable action on the merits is solicited.

Respectfully submitted,

Chise MUKAIDANI et al.

By: Warren M. Cheek, Jr.  
Warren M. Cheek, Jr.  
Registration No. 33,367  
Attorney for Applicants

WMC/dlk  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
March 9, 2005



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/509,032	Chise Mukaidani	2004 1544A

000513  
 WENDEROTH, LIND & PONACK, L.L.P.  
 2033 K STREET N. W.  
 SUITE 800  
 WASHINGTON, DC 20006-1021

INTERNATIONAL APPLICATION NO.	
PCT/JP03/03623	
I.A. FILING DATE	PRIORITY DATE
03/25/2003	03/25/2002

CONFIRMATION NO. 1374  
 371 FORMALITIES LETTER



\*OC000000015219630\*

Date Mailed: 02/25/2005

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 09/27/2004
- English Translation of the IA filed on 09/27/2004
- Copy of the International Search Report filed on 09/27/2004
- Copy of IPE Report filed on 09/27/2004
- Preliminary Amendments filed on 09/27/2004
- Information Disclosure Statements filed on 09/27/2004
- Oath or Declaration filed on 02/09/2005
- Biochemical Sequence Listing filed on 09/27/2004
- Request for Immediate Examination filed on 09/27/2004
- Copy of references cited in ISR filed on 09/27/2004
- U.S. Basic National Fees filed on 09/27/2004
- Priority Documents filed on 09/27/2004

RECEIVED  
 MAR - 2 2005  
 WENDEROTH, LIND & PONACK

Applicant's response filed 02/09/2005 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 02/09/2005 have not been completed.

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e) and PCT Rule 13ter.1(a)(ii).
  - APPLICANT MUST PROVIDE:
    - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216

- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response. )*

MAMIE P PERSON

Telephone: (703) 308-9140 EXT 227

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/509,032	PCT/JP03/03623	2004 1544A

COPY

Atty. Docket No: 2004-1544A

Due Date: April 9, 2005

Confirmation No. 1374

Our Ref: 2004-1544A/WMC/00653

Applicant: Chise MUKAIDANI et al.

Serial No: 10/509,032

Filing Date: February 9, 2005

Title: A METHOD OF PROLIFERATING HUMAN HEPATOCYTES AND A METHOD  
FOR OBTAINING HUMAN HEPATOCYTES

Receipt of the following papers is acknowledged:

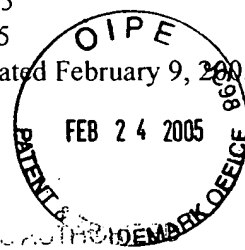
1. Preliminary Amendment and Response (3 pp.)
2. RETURN COPY - Notification of Missing Requirements (2 pp.)
3. Sequence Listing - Paper Copy (2 pp.)
4. Copy of Postcard receipt dated February 9, 2005
5. Copy of Fee Transmittal dated February 9, 2005
6. Copy of Submission of Executed Declaration dated February 9, 2005
7. Copy of executed Declaration (3 pp.)
8. 3.5" Disk - Sequence Listing - CRF

Date: February 24, 2005

Attorney: WMC/ksh

[Check No. N/A]

THE COMMISSIONER OF PATENT & TRADEMARK OFFICE  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975





## UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

UNITED STATES DEPARTMENT OF COMMERCE  
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 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/509,032

FIRST NAMED APPLICANT

Chise Mukaidani

ATTY. DOCKET NO.

2004 1544A

INTERNATIONAL APPLICATION NO.

PCT/JP03/03623

IA. FILING DATE

03/25/2003

PRIORITY DATE

03/25/2002

000513

WENDEROTH, LIND &amp; PONACK, L.L.P.

2033 K STREET N. W.

SUITE 800

WASHINGTON, DC 20006-1021

CONFIRMATION NO. 1374

371 FORMALITIES LETTER



\*OC000000015134478\*

Date Mailed: 02/09/2005

# NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/27/2004
- English Translation of the IA filed on 09/27/2004
- Copy of the International Search Report filed on 09/27/2004
- Copy of IPE Report filed on 09/27/2004
- Preliminary Amendments filed on 09/27/2004
- Information Disclosure Statements filed on 09/27/2004
- Oath or Declaration filed on 09/27/2004
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- Request for Immediate Examination filed on 09/27/2004
- Copy of references cited in ISR filed on 09/27/2004
- U.S. Basic National Fees filed on 09/27/2004
- Priority Documents filed on 09/27/2004

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FEB 1 2005

WENDEROTH, LIND &amp; PONACK, L.L.P.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

COPY

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e) and PCT Rule 13ter.1(a)(ii).
  - APPLICANT MUST PROVIDE:
    - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

Telephone: (703) 308-9140 EXT 227

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/509,032	PCT/JP03/03623	2004 1544A

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 1374**  
Chise MUKAIDANI et al. : **Docket No. 2004-1544A**  
Serial No. 10/509,032 : **Group Art Unit - Not yet assigned**  
Filed February 9, 2005 : **Examiner - Not yet assigned**  
**A METHOD OF PROLIFERATING HUMAN : Mail Stop: PCT - Sequence Listing**  
**HEPATOCYTES AND A METHOD FOR**  
**OBTAINING HUMAN HEPATOCYTES**

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**PRELIMINARY AMENDMENT AND RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Notice dated February 9, 2005, Applicants hereby provide the following amendment and remarks:

COPY

Atty. Docket No. 2004-1544A  
Serial No. 10/509,032  
February 24, 2005

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the Sequence Listing of record with the attached substitute Sequence Listing.



COPY

Atty. Docket No. 2004-1544A  
Serial No. 10/509,032  
February 24, 2005

REMARKS

The foregoing amendments are presented to place the application in compliance with the sequence rules under 37 C.F.R. §§ 1.821-1.825.

Applicants have submitted a Sequence Listing in both paper and computer readable form as required by 37 C.F.R. §§ 1.821(c) and (e). Amendments directing its entry into the specification have also been incorporated herein. The content of the paper and computer readable copies are the same and no new matter has been added.

A copy of the Notice is attached as required.

The Notice also requires the filing of an executed Declaration and surcharge.

However, the executed Declaration has been previously filed on February 9, 2005. Copies of the executed Declaration and its cover are enclosed herewith. A copy of the PTO postcard receipt, dated February 9, 2005, is also enclosed. It is noted that the PTO fee for filing the executed Declaration was also concurrently submitted on February 9, 2005.

In view of the foregoing, it is believed that each requirement set forth in the Notice has been satisfied, and that the application is now in compliance with the sequence rules under 37 C.F.R. §§ 1.821-1.825. Accordingly, favorable examination on the merits and issuance of the Official Filing Receipt is respectfully requested.

Respectfully submitted,

Chise MUKAIDANI et al.

By: Warren M. Cheek, Jr.  
Warren M. Cheek, Jr.  
Registration No. 33,367  
Attorney for Applicants

WMC/JFW/ksh  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
February 24, 2005

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 25-0375

# COPY

## SEQUENCE LISTING

<110> MUKAIDANI, Chise  
YOSHIKATO, Katsutoshi

<120> A method of proliferating human hepatocytes and a method for obtaining human hepatocytes

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<140> 10/509,032

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